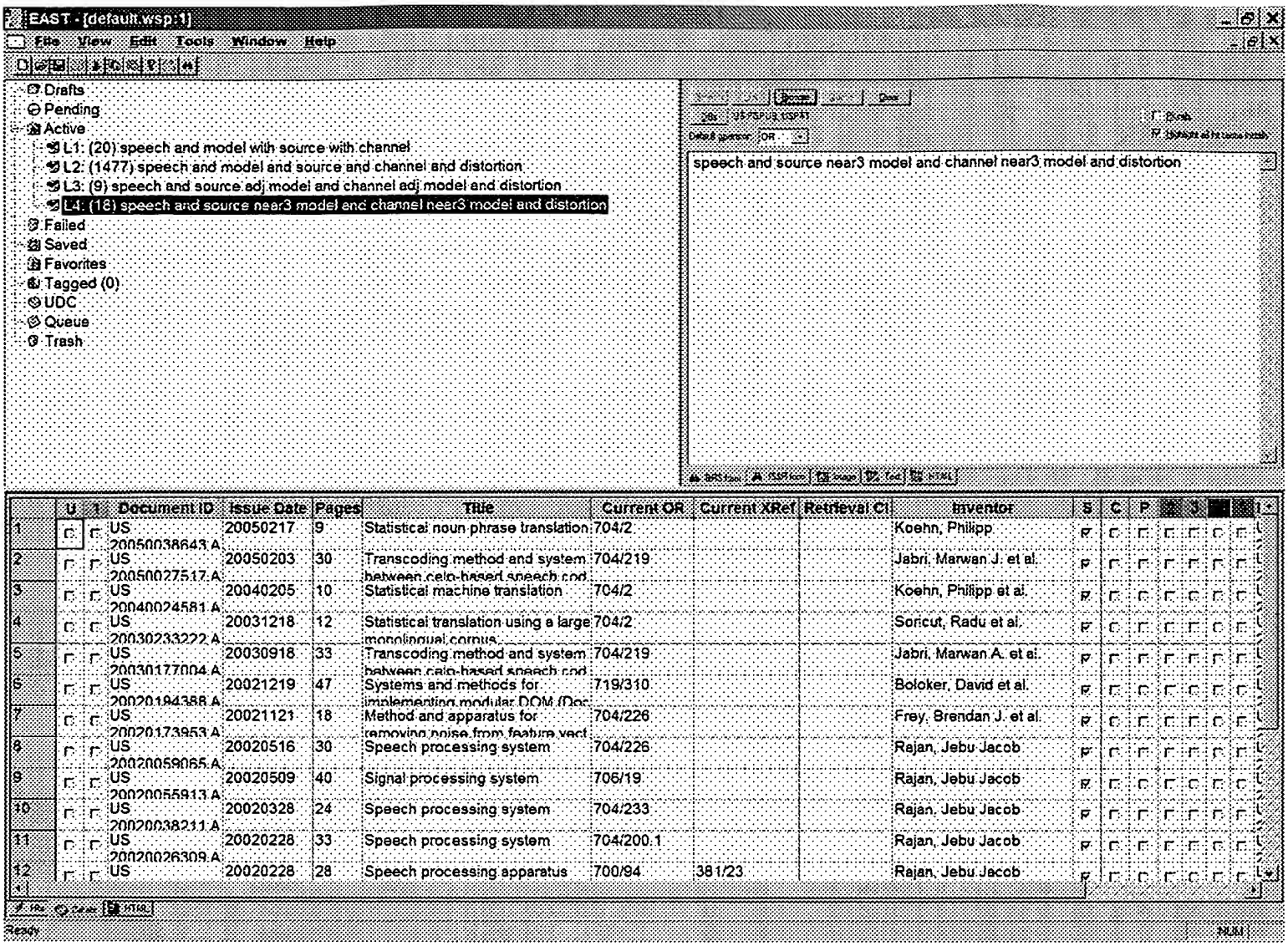
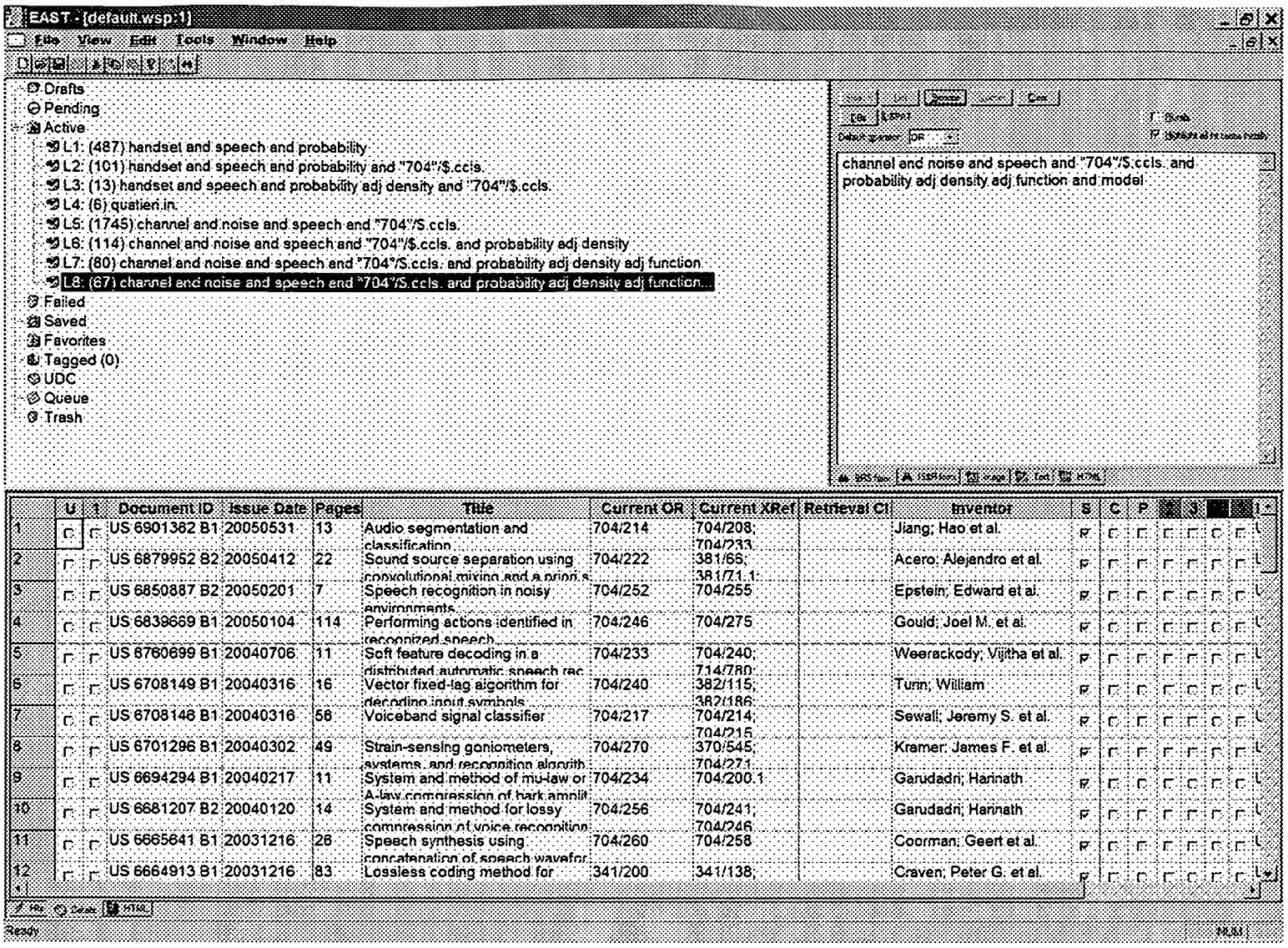
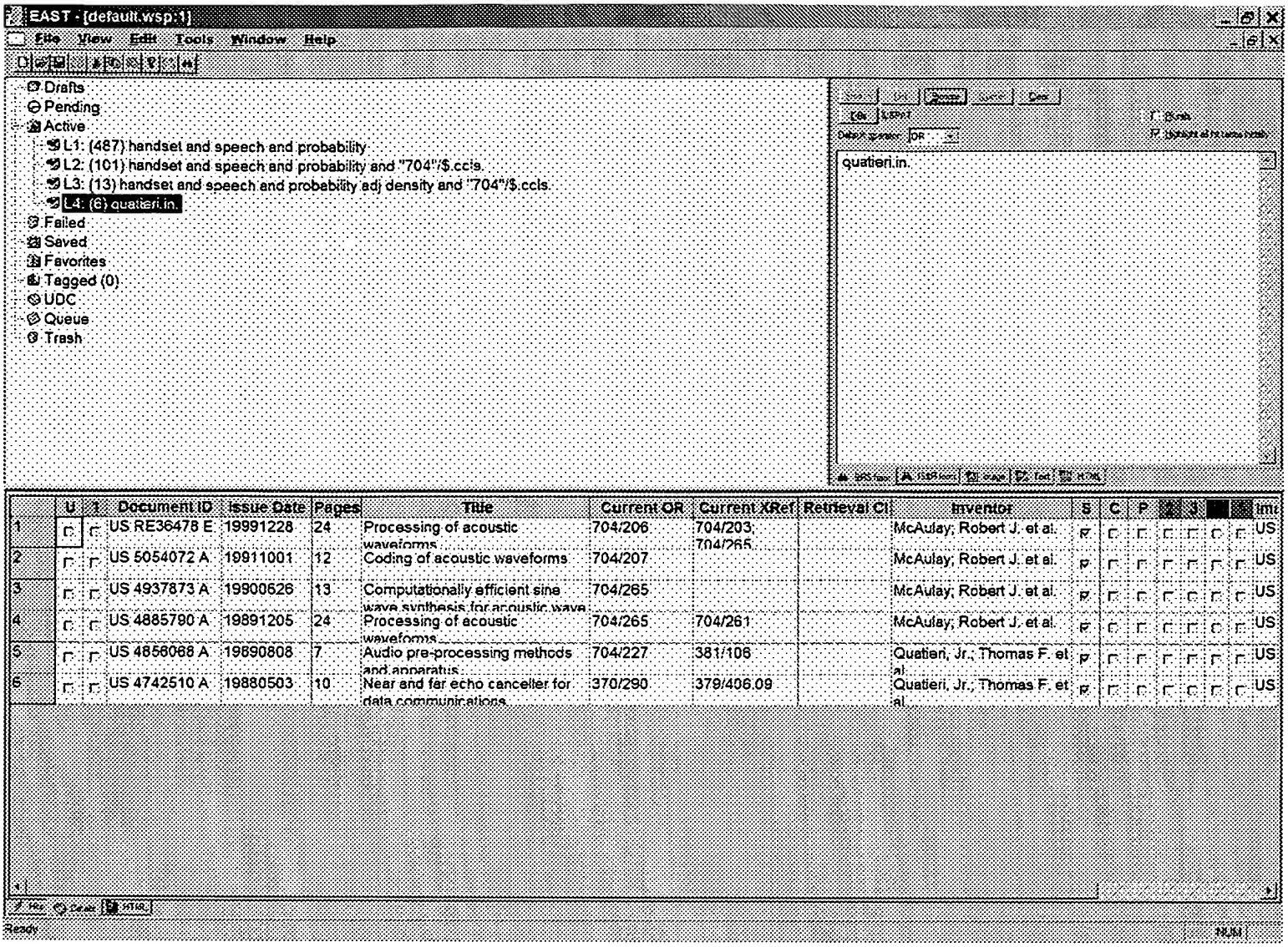


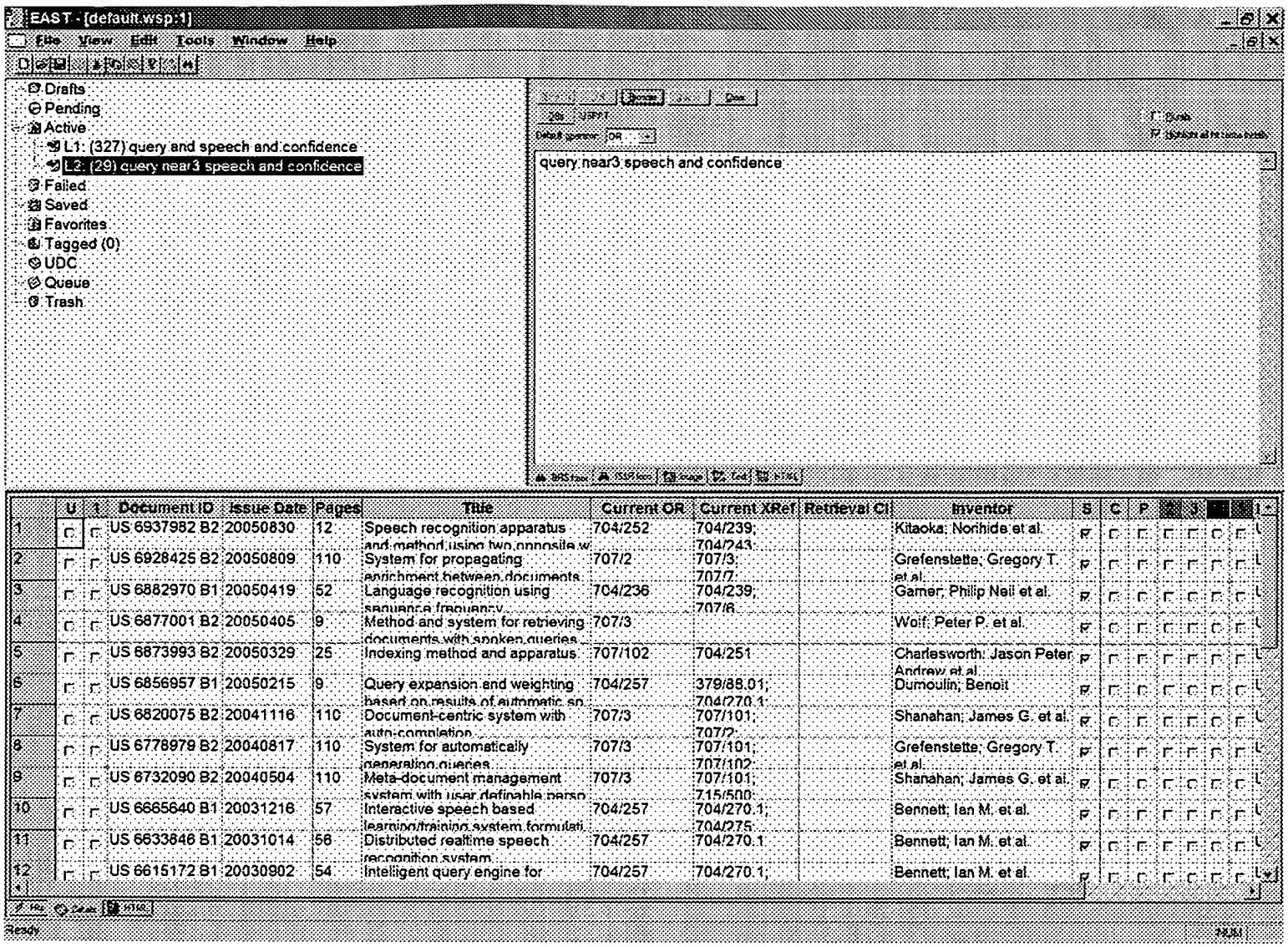
	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Cl	Inventor	S	C	P	2	3	
1			US 20050038643 A	20050217	9	Statistical noun phrase translation	704/2			Koehn, Philipp						
2			US 20050027517 A	20050203	30	Transcoding method and system between celp-based speech cod	704/219			Jabri, Marwan J. et al.						
3			US 20040024581 A	20040205	10	Statistical machine translation	704/2			Koehn, Philipp et al.						
4			US 20030233222 A	20031218	12	Statistical translation using a large monolingual corpus	704/2			Soricut, Radu et al.						
5			US 20030177004 A	20030918	33	Transcoding method and system between celp-based speech cod	704/219			Jabri, Marwan A. et al.						
6			US 20020194388 A	20021219	47	Systems and methods for implementing modular DOM (Doc	719/310			Boloker, David et al.						
7			US 20020173953 A	20021121	18	Method and apparatus for removing noise from feature vect	704/226			Frey, Brendan J. et al.						
8			US 20020059065 A	20020516	30	Speech processing system	704/226			Rajan, Jebu Jacob						
9			US 20020055913 A	20020509	40	Signal processing system	706/19			Rajan, Jebu Jacob						
10			US 20020038211 A	20020328	24	Speech processing system	704/233			Rajan, Jebu Jacob						
11			US 20020026309 A	20020228	33	Speech processing system	704/200.1			Rajan, Jebu Jacob						
12			US	20020228	28	Speech processing apparatus	700/94	381/23		Rajan, Jebu Jacob						



	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Cl	Inventor	S	C	P	J
1	☐	☐	US 6901382 B1	20050531	13	Audio segmentation and classification	704/214	704/208; 704/233		Jiang; Hao et al.	☑	☐	☐	☐
2	☐	☐	US 6879952 B2	20050412	22	Sound source separation using convolutional mixing and a priori s	704/222	381/66; 381/71.1;		Acero; Alejandro et al.	☑	☐	☐	☐
3	☐	☐	US 6850887 B2	20050201	7	Speech recognition in noisy environments	704/252	704/255		Epstein; Edward et al.	☑	☐	☐	☐
4	☐	☐	US 6839669 B1	20050104	114	Performing actions identified in recognized speech	704/246	704/275		Gould; Joel M. et al.	☑	☐	☐	☐
5	☐	☐	US 6760699 B1	20040706	11	Soft feature decoding in a distributed automatic speech rec	704/233	704/240; 714/780;		Weerackody; Vijitha et al.	☑	☐	☐	☐
6	☐	☐	US 6708149 B1	20040316	16	Vector fixed-lag algorithm for decoding input symbols	704/240	382/115; 382/186;		Turin; William	☑	☐	☐	☐
7	☐	☐	US 6708148 B1	20040316	58	Voiceband signal classifier	704/217	704/214; 704/215		Sewall; Jeremy S. et al.	☑	☐	☐	☐
8	☐	☐	US 6701296 B1	20040302	49	Strain-sensing goniometers, systems, and recognition algorith	704/270	370/545; 704/271		Kramer; James F. et al.	☑	☐	☐	☐
9	☐	☐	US 6694294 B1	20040217	11	System and method of mu-law or A-law compression of bark amplit	704/234	704/200.1		Garudadri; Harinath	☑	☐	☐	☐
10	☐	☐	US 6681207 B2	20040120	14	System and method for lossy compression of voice recognition	704/256	704/241; 704/246		Garudadri; Harinath	☑	☐	☐	☐
11	☐	☐	US 6665641 B1	20031216	26	Speech synthesis using concatenation of speech wavefor	704/260	704/258		Coorman; Geert et al.	☑	☐	☐	☐
12	☐	☐	US 6664913 B1	20031216	83	Lossless coding method for	341/200	341/138;		Craven; Peter G. et al.	☑	☐	☐	☐



	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Cl	Inventor	S	C	P	J	Ima
1	☐	☐	US RE36478 E	19991228	24	Processing of acoustic waveforms	704/206	704/203; 704/265		McAulay; Robert J. et al.	☑	☐	☐	☐	US
2	☐	☐	US 5054072 A	19911001	12	Coding of acoustic waveforms	704/207			McAulay; Robert J. et al.	☑	☐	☐	☐	US
3	☐	☐	US 4937873 A	19900626	13	Computationally efficient sine wave synthesis for acoustic wave	704/265			McAulay; Robert J. et al.	☑	☐	☐	☐	US
4	☐	☐	US 4885790 A	19891205	24	Processing of acoustic waveforms	704/265	704/261		McAulay; Robert J. et al.	☑	☐	☐	☐	US
5	☐	☐	US 4856068 A	19890808	7	Audio pre-processing methods and apparatus	704/227	381/106		Quatieri, Jr.; Thomas F. et al.	☑	☐	☐	☐	US
6	☐	☐	US 4742510 A	19880503	10	Near and far echo canceller for data communications	370/290	379/406.09		Quatieri, Jr.; Thomas F. et al.	☑	☐	☐	☐	US



	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Cl	Inventor	S	C	P	J
1			US 6937982 B2	20050830	12	Speech recognition apparatus and method using two opposite w	704/252	704/239; 704/243		Kitaoka; Norihide et al.				
2			US 6928425 B2	20050809	110	System for propagating enrichment between documents	707/2	707/3; 707/7		Grefenstette; Gregory T. et al.				
3			US 6882970 B1	20050419	52	Language recognition using sequence frequency	704/236	704/239; 707/6		Garner; Philip Neil et al.				
4			US 6877001 B2	20050405	9	Method and system for retrieving documents with spoken queries	707/3			Wolf; Peter P. et al.				
5			US 6873993 B2	20050329	25	Indexing method and apparatus	707/102	704/251		Charlesworth; Jason Peter Andrew et al.				
6			US 6856957 B1	20050215	9	Query expansion and weighting based on results of automatic sp	704/257	379/88.01; 704/270.1		Dumoulin; Benoit				
7			US 6820075 B2	20041116	110	Document-centric system with auto-completion	707/3	707/101; 707/2		Shanahan; James G. et al.				
8			US 6778979 B2	20040817	110	System for automatically generating queries	707/3	707/101; 707/102		Grefenstette; Gregory T. et al.				
9			US 6732090 B2	20040504	110	Meta-document management system with user definable perso	707/3	707/101; 715/500		Shanahan; James G. et al.				
10			US 6665640 B1	20031216	57	Interactive speech based learning/training system formulati	704/257	704/270.1; 704/275		Bennett; Ian M. et al.				
11			US 6633846 B1	20031014	56	Distributed realtime speech recognition system	704/257	704/270.1		Bennett; Ian M. et al.				
12			US 6615172 B1	20030902	54	Intelligent query engine for	704/257	704/270.1;		Bennett; Ian M. et al.				